

Merritt Parkway, Comstock Hill Road Bridge  
Spanning the Merritt Parkway at the 16.61 mile mark  
Norwalk  
Fairfield County  
Connecticut

HAER No. CT-88

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#### PHOTOGRAPHS

#### WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Engineering Record  
National Park Service  
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P.O. Box 37127  
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# **HISTORIC AMERICAN ENGINEERING RECORD**

## **Merritt Parkway, Comstock Hill Road Bridge**

HAER No. CT-88

**Location:** Spanning the Merritt Parkway at the 16.61 mile mark in Norwalk, Fairfield County, Connecticut

UTM: 18.630500.4554970  
Quad: Norwalk North, Connecticut

**Construction Date:** 1938

**Engineer:** Connecticut Highway Department

**Architect:** George L. Dunkelberger, of the Connecticut Highway Department, acted as head architect for all Merritt Parkway bridges.

**Contractor:** M. A. Gammino Construction Company  
Providence, Rhode Island

**Present Owner:** Connecticut Department of Transportation  
Wethersfield, Connecticut

**Present Use:** Used by traffic on Comstock Hill Road to cross the Merritt Parkway

**Significance:** The bridges of the Merritt Parkway were predominately inspired by the Art Deco and Art Moderne architectural styles of the 1930s. Experimental forming techniques were employed to create the ornamental characteristics of the bridges. This, combined with the philosophy of incorporating architecture into bridge design and the individuality of each structure, makes them distinctive.

**Historians:** Todd Thibodeau, HABS/HAER Historian  
Corinne Smith, HAER Engineer  
August 1992

For more detailed information on the Merritt Parkway, refer to the Merritt Parkway History Report, HAER No. CT-63.

## LOCAL HISTORY

In 1640, Roger Ludlow acquired land along the east side of the Norwalk River from the Long Island Sound to twelve miles inland. A couple of months later Daniel Patrick, a friend of Ludlow, purchased a similar amount of acreage on the west side of the river. These two acquisitions encompassed all of present-day Norwalk.<sup>1</sup>

Ten years passed between these purchases and settlement of the region. In 1650, Ludlow sold his land to residents of the Hartford Colony. That same year, these new owners moved to what is now East Norwalk, under the leadership of two surveyors, Richard Olmstead and Richard Webb. In 1651, Norwalk formed a town. The community gradually expanded as an agricultural and shipping center. At one point Norwalk included parts of Wilton, New Canaan, and Westport. By the beginning of the American Revolution, Norwalk included the districts of Norwalk, South Norwalk, East Norwalk, West Norwalk, Broad River, Silvermine, Winnipauk, and Cranbury.<sup>2</sup>

In summer 1779 the British burned more than 300 structures in the town. The community took several years to rebound from this loss, but by the early 1800s, Norwalk was again an expanding agricultural and shipping community. Larger scale industrial development commenced in 1848, when the New York, New Haven, and Hartford Railroad reached the Norwalk River. Norwalk became a hat-making center. The Volk Hat Company employed more than 500 workers. Other substantial enterprises developed, including the Norwalk Lock Company, Norwalk Iron Works, and Roth and Goldschmidt

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<sup>1</sup>———, This Is Norwalk (Norwalk: League of Women Voters, 1963), 5.

<sup>2</sup>Samuel Richard Weed, Norwalk After Two Hundred and Fifty Years (South Norwalk: C. A. Freeman Publishers, 1901), 18-19.

Corset Company. Fueling this development was the arrival of large numbers of Irish and German immigrants.<sup>3</sup>

Following World War I, Norwalk experienced another population boom, as many New Yorkers who had vacationed in Norwalk for years settled permanently and began to commute. These new arrivals eagerly awaited completion of the Merritt Parkway. After it was finished, the parkway helped to accelerate the residential development of the western sections of the community, especially Winnipauk and Cranbury. During World War II watchtowers were established on the Merritt to spot airplanes and relay the information to Mitchell Field on Long Island.<sup>4</sup>

#### BRIDGE CONSTRUCTION HISTORY

Comstock Hill Road loops from Silvermine Road on the south side of the parkway back to Silvermine Road on the north side of the parkway, crossing for a short distance into New Canaan. The Daniel Deering Construction Company of Norwalk, CT, received the contract to grade the Merritt Parkway from New Canaan Road/Route 123 to West Rocks Road, in Norwalk (ConnDot project #180-51). While the Comstock Hill Road Bridge is within this section of the Merritt, the grade separation and bridge contract went to the M. A. Gammino Construction Company of Providence, RI (ConnDot project

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<sup>3</sup>This Is Norwalk, 5-6.

<sup>4</sup>Deborah Wing Ray and Gloria P. Stewart, Norwalk Being an Historical Account of That Connecticut Town, (Canaan, NH: Phoenix Publishing, 1979), 194, 200.

This Is Norwalk, 6.

"3000 Attend Merritt Parkway Opening; Hear Cross Voice Hope For Extension," Norwalk Hour, 30 June 1938, p. 1.

#180-62).<sup>5</sup> The bridge cost \$27,236 and was completed in 1938. The paving work for this region of the Merritt extended from Comstock Hill Road, in Norwalk, to West Rocks Road. This contract was awarded to the New Haven Construction Company of New Haven, CT (ConnDot project# 180-95). In 1990, all loose and spalling concrete was removed from the Comstock Hill Road Bridge, it then was patched, sealed, and painted (ConnDot #89-89).<sup>6</sup>

#### BRIDGE DESCRIPTION

The Comstock Hill Road Bridge is a single-span, reinforced- concrete, barrel-type rigid-frame bridge with a clear roadway of 30' at a 1.5 percent grade. The Merritt Parkway travels under the 63' long span at a skew of 10-53'-30". Parallel wing walls of varying length form the approach for the underpass.

The rigid-frame design allows the engineer to decrease the structural material at the center of the span, thus forming an arched opening. (See the Merritt Parkway History Report, HAER No. CT-63, for a more detailed description of the rigid-frame.) The intrados of the span rises more than 3'-3" from the springline to the crown, while the extrados remains horizontal from knee to knee. The frame thickness at the crown is 21". The frame leg thickness increases from 2'-10" at the base to 4'-6" at the knee. The exposed face of the legs remains vertical, and the hidden face slopes away from the roadway. The minimum clearance provided is 14'-5" at a distance 20' perpendicular to the center of the roadway.

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<sup>5</sup>Contract Card File, Map File and Engineering Records Department, Connecticut Department of Transportation, Wethersfield, CT.

<sup>6</sup>Comstock Hill Road Bridge, DOT #716; Bridge Maintenance File, Engineering Department, Connecticut Department of Transportation, Newington, CT.

When viewed in full, the Comstock Hill Road Bridge is a series of projecting and stepping faces, a short solid railing with an undulating face, and pictorial panels molded into the top of each pylon. The panels were created by sculptor Edward Ferrari. Ferrari had fabricated molds for most of the other panels, cartouches, and moldings, steel or concrete, designed for the Merritt Parkway by architect George Dunkelberger. The Comstock Hill Bridge panels were the only time Dunkelberger let Ferrari conceive the theme for the panel; Ferrari chose two: a pilgrim and an Indian. Each panel was formed with reverse molds fabricated by Ferrari and his father.

Recent changes to the bridge include a chain link fence and Jersey barriers to protect a walkway on the west side, and a metal W-rail (guardrail) inside the east railing. The entire bridge has been covered with a cream-colored coating.

#### BIBLIOGRAPHY

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Weed, Samuel Richard. Norwalk After Two Hundred and Fifty Years. An Account of the Celebration of the 250th Anniversary of the Charter of the Town. South Norwalk: C. A. Freeman Publishers, 1901.

----- . This Is Norwalk. Norwalk: League of Women Voters, 1963.

Norwalk Hour. 1937-38.

----- . Contract Card File. Map File and Engineering Records Department, Connecticut Department of Transportation: Wethersfield, CT. This includes construction drawings, copies of which are in the HAER field records.

----- . Bridge Maintenance File. Engineering Department, Connecticut Department of Transportation: Newington, CT.

PROJECT INFORMATION

This recording project was undertaken by the Historic American Buildings Survey and the Historic American Engineering Record (HABS/HAER) Division of the National Park Service, Robert J. Kapsch, Chief. The Merritt Parkway recording project was sponsored and funded by the Connecticut Department of Transportation (ConnDot) and the Federal Highway Administration.

The fieldwork, measured drawings, historical reports and photographs were prepared under the general direction of Eric N. DeLony, HAER Chief, and Sara Amy Leach, HABS Historian.

The recording team consisted of Jacqueline A. Salame (Columbia University), architect and field supervisor; Mary Elizabeth Clark (Pratt Institute) and B. Devon Perkins (Yale University), architectural technicians; Joanne McAllister-Hewlings (US/ICOMOS-Great Britain, University of Sheffield), landscape architect; Corinne Smith (Cornell University), engineer; Gabrielle M. Esperdy (City University of New York) and Todd Thibodeau (Arizona State University), historians; and Jet Lowe, HAER photographer.